# JOINT INFORMATION ENGINEERING ORGANIZATION

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## SYMBOLOGY STANDARDS MANAGEMENT COMMITTEE DIRECTIVE

SSMC NO:	: 2-01			Date: May 24, 2001
CP No: MIL00	0-08		Title: Add S	Symbol, Zone of Responsibility
Originator, N	ame and A	ddress:		
Army/PM FA	TDS			
SSMC Action	:			Decision:
	substantive  ed  equired  to Decision  quent to D  ordination	n ecision Required		Approved as modified (MIL 00-08A), in accordance with the Fire Support Hierarchy Analysis change Option C, Modification 1 data.
	sapprove	N/A		
		A   N   M   A   N   C   C   J   J	IMA INC EO	
			SA IA	Chairperson
				Anneliese Martin
				(Signature)

SYMBOLOGY CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM										
CHANGE PROPOSAL NUMBER MIL00-08A										
ORIGINATOR	SPONSOR	DATE RECEIVED	DATE OF ACTION							
PM FATDS	ARMY	1 September 2000	May 24, 2001							
CHANGE PROPOSAL TITLE										
ADD NEW SYMBOL, <b>ZONE OF RESPONSIBILITY</b>										
SUGGESTED CHANGE										

The Fire Support community has a requirement to add a new symbol to MIL-STD-2525B.

- 1. The purpose of the Zone of Responsibility symbol is to graphically display to commanders in the Common Operational Picture (COP)/Common Tactical Picture (CTP) an enclosed area of the battlefield that is controlled by a specific unit, from a fire support perspective.
- 2. Recommend adding to hierarchy item 2.X.4, Fire Support, under the "Areas" hierarchy, 2.X.4.3, figure B-17, and table B-IV.

#### **OVERVIEW**

Currently, the standard does not contain a symbol depicting Zones of Responsibility (ZOR). The purpose of the Zone of Responsibility symbol is to graphically display to commanders and operators the geometry used within the fire support system to designate an enclosed area of the battlefield that is controlled by a specific unit (from a fire support perspective), usually a Fire Support Element. Incorporation into MIL STD 2525B, which will be used in JMTK and GSD, will allow the symbols to be transmitted/received by all battlefield system. Zone of Responsibility is a required symbol for use in the COP/CTP to be shared across the battlefield. The development of the COP/CTP is required of all ABCS component systems. Fire Support systems are the producer of the Zone of Responsibility for the COP/CTP. Fire Support systems will retain this capability for fielding throughout the Army and USMC.

#### **OPERATIONAL DESCRIPTION**

In general, the Zone of Responsibility symbols is used within the fire support system to designate an enclosed area of the battlefield that is controlled by a specific unit (from a fire support perspective), usually a maneuver Fire Support Element. A minimum of three (3) point locations are required to graphically display a Zone of Responsibility. The minimum information required to interoperate with another is defined below.

#### **IMPLEMENTATION**

Description: Fire Support, Area, Zone of Responsibility

#### Parameters:

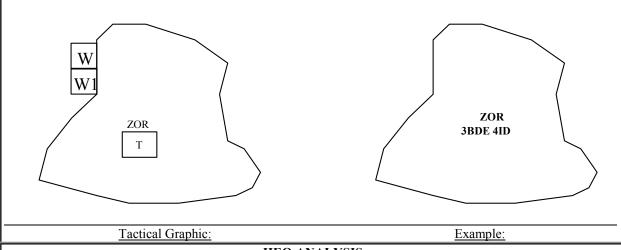
- 1. Anchor Points. This graphic requires a minimum of three anchor points to define the boundary of the area. Add as many points as necessary to accurately reflect the area's size and shape.
- 2.Size/Shape. Determined by the anchor points. The information fields should be moveable and scaleable within the area.

3. Orientation. Not applicable.

Fixed/Dynamic: Dynamic

Hierarchy: 2.X.4.3.18

Symbol ID: G\*F\*AZOR--\*\*\*X



#### JIEO ANALYSIS

#### OVERVIEW:

The proposed CP fulfills a need expressed by the Army for a standard Zone of Responsibility (ZOR) Symbol.

The following changes must be made to the standard to incorporate the proposed changes:

- 1.Revise table B-III, C2 Symbology: Military Operations symbol ID codes, to include the necessary information for the ZOR symbol.
- 2.Revise figure B-17, Fire Support, to include the ZOR symbol.
- 3. Revise table B-IV, C2 Symbology: Military Operations set, to include a generic and example symbol for ZOR.

This change proposal is one of 43 change proposals submitted by the Army, all of which deal with the Fire Support category of C2 Symbology: Military Operations symbol set. An analysis of the Fire Support Hierarchy was conducted to resolve conflicts discovered between recommended symbol IDs and those symbol IDs already in the standard. The hierarchy number and symbol ID proposed for the ZOR symbol does not conflict with any symbols currently existing in the standard. However, should the SSMC select one of the conflict resolution options from the Fire Support Hierarchy Analysis, the symbol ID and hierarchy number recommend here may change. The Fire Support Hierarchy Analysis can be located on the Change Proposal/Coordination page of the symbology web site.

#### **CONFORMANCE TO SYMBOL GUIDELINES:**

The proposed ZOR symbol follows the rules concerning composition, construction, display, and transmission previously set forth in the standard.

#### ADEOUACY AND IMPACT ON OTHER PROGRAMS:

None known.

## C/S/A COMMENTS

## **DECISION NOTICE**

Approved at SSMC 2-01 with the following changes:

Restructure the entire 2.X.4 (Fire Support) hierarchy IAW the Fire Support Hierarchy Analysis, Change Option C with modification 1 (does not include graphics which are still pending review and approval [MIL00-11 through MIL00-44]). See Attachment A.

## Tasks:

1. Modify Figure B-17 to reflect new hierarchy structure (Figure B-17 becomes Figures B-17.1 and B-17.2) and addition of new Fire Support graphics.

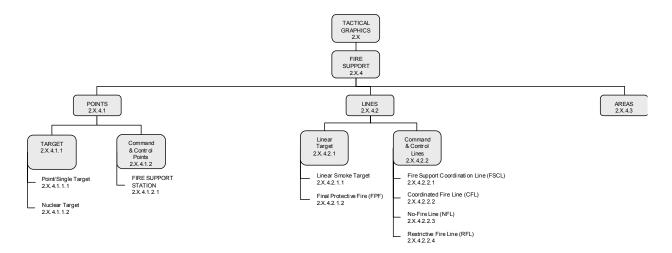


Figure B-17.1. Fire Support.

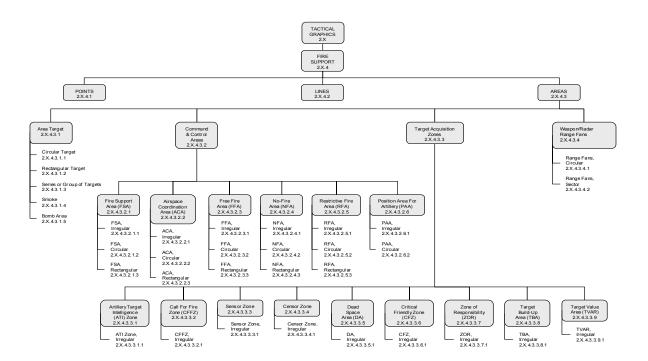


Figure B-17.2. Fire support.

2. Modify Table B-III to reflect restructured hierarchy numbers, provide new symbol IDs for restructured graphics and addition of new graphics' hierarchy numbers and symbol IDs.

HIERARCHY	CODE SCHEME	AFFILIATION	CATEGORY	STATUS		FUNCTION ID		SIZE/MOBILITY	COUNTRY CODE	ORDER OF	DESCRIPTION
2.X.4	G	*	F	*				**	**	Х	FIRE SUPPORT
2.X.4.1	G	*	F	*	P-			**	**	Х	POINT
2.X.4.1.1	G	*	F	*	PT			**	**	Х	TARGET
2.X.4.1.1.1	G	*	F	*	PT	S-		**	**	Х	POINT/SINGLE TARGET
2.X.4.1.1.2	G	*	F	*	PT	N-		**	**	Х	NUCLEAR TARGET
2.X.4.1.2	Ğ	*	F	*	PC			**	**	X	COMMAND AND CONTROL
2.X.4.1.2.1	Ğ	*	F	*	PC	F-		**	**	X	FIRE SUPPORT STATION
2.X.4.2	G	*	F	*	L-	<u> </u>		**	**	X	LINES
2.X.4.2.1	G	*	F	*	LT			**	**	X	LINEAR TARGET
2.X.4.2.1.1	G	*	F	*	LT	S-		**	**	X	LINEAR SMOKE TARGET
2.X.4.2.1.2	G	*	F	*	LT	F-		**	**	X	FINAL PROTECTIVE FIRE (FPF)
2.X.4.2.2	G	*	F	*	LC			**	**	X	COMMANDAND CONTROL
2.X.4.2.2.1	G	*	F	*	LC	F-		**	**	X	FIRE SUPPORT COORDINATION LINE (FSCL)
2.X.4.2.2.1 2.X.4.2.2.2	G	*	F	*	LC	<u>Г-</u> С-		**	**	X	COORDINATED FIRE LINE (CFL)
2.X.4.2.2.3	G	*	F	*	LC	N-		**	**		NO-FIRE LINE (NFL)
2.X.4.2.2.4	G	*	F	*	LC	R-		**	**	X	RESTRICTIVE FIRE LINE (RFL)
		*		*				**	**		
2.X.4.3	G	*	F		A-			**	**	X	AREAS
2.X.4.3.1	G		F	*	AT			**		Х	AREA TARGET
2.X.4.3.1.1	G	*	F	*	AT	C-		**	**	Х	CIRCULAR TARGET
2.X.4.3.1.2	G	*	F	*	AT	R-			**	Х	RECTANGULAR TARGET
2.X.4.3.1.3	G	*	F	*	AT	G-		**	**	Х	SERIES OR GROUP OF TARGETS
2.X.4.3.1.4	G	*	F	*	ΑT	S-		**	**	Х	SMOKE
2.X.4.3.1.5	G	*	F	*	AT	B-		**	**	Х	BOMB AREA
2.X.4.3.2	G	*	F	*	AC			**	**	Χ	COMMAND AND CONTROL
2.X.4.3.2.1	G	*	F	*	AC	S-		**	**	Χ	FIRE SUPPORT AREA (FSA)
2.X.4.3.2.2	G	*	F	*	AC	A-		**	**	Χ	AIRSPACE COORDINATION AREA (ACA)
2.X.4.3.2.3	G	*	F	*	AC	F-		**	**	Χ	FREE FIRE AREA (FFA)
2.X.4.3.2.4	G	*	F	*	AC	N-		**	**	Χ	NO-FIRE AREA (NFA)
2.X.4.3.2.5	G	*	F	*	AC	R-		**	**	Χ	RESTRICTIVE FIRE AREA (RFA)
2.X.4.3.2.6	G	*	F	*	AC	P-		**	**	Χ	POSITION AREA FOR ARTILLERY (PAA)
2.X.4.3.3	G	*	F	*	ΑZ			**	**	Х	TARGET ACQUISITION ZONES
2.X.4.3.3.1	G	*	F	*	AZ	l-		**	**	Х	ARTILLERY TARGET INTELLIGENCE (ATI) ZONE
2.X.4.3.3.1.1	G	*	F	*	AZ	II		**	**	X	ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, IRREGULAR
2.X.4.3.3.2	G	*	F	*	AZ	X-		**	**	Х	CALL FOR FIRE ZONE (CFFZ)
2.X.4.3.3.2.1	G	*	F	*	AZ	XI		**	**	X	CALL FOR FIRE ZONE (CFFZ), IRREGULAR
2.X.4.3.3.3	G	*	F	*	AZ	S-		**	**	X	SENSOR ZONE
2.X.4.3.3.3.1	G	*	F	*	AZ	SI	<del></del>	**	**	X	SENSOR ZONE, IRREGULAR
2.X.4.3.3.4	G	*	F	*	AZ	C-	_ <u>=</u>	**	**	X	CENSOR ZONE  CENSOR ZONE
	G	*	F	*	AZ AZ	CI CI	_ <del>_</del> _	**	**	_	CENSOR ZONE, IRREGULAR
2.X.4.3.3.4.1 2.X.4.3.3.5	G	*	F	*	AZ AZ	D-		**	**	X	DEAD SPACE AREA (DA)
		<u> </u>		*			<u></u>	**	**	X	
2.X.4.3.3.5.1	G	*	F	*	AZ AZ	DI		**	**	X	DEAD SPACE AREA (DA), IRREGULAR
2.X.4.3.3.6	G	Ļ	F		AZ	F-				X	CRITICAL FRIENDLY ZONE (CFZ)
2.X.4.3.3.6.1	G	Ĺ	F	*	AZ	FI 7	<u></u>	**	**	X	CRITICAL FRIENDLY ZONE (CFZ), IRREGULAR
2.X.4.3.3.7	G	*	F	*	AZ	Z-				X	ZONE OF RESPONSIBILITY (ZOR)
2.X.4.3.3.7.1	G	Ļ	F	*	AZ	ZI	<mark></mark>	**	**	X	ZONE OF RESPONSIBILITY (ZOR), IRREGULAR
2.X.4.3.3.8	G	*	F	*	ΑZ	B-		**	**	Χ	TARGET BUILD-UP AREA (TBA)

HIERARCHY	CODE SCHEME	AFFILIATION	CATEGORY	STATUS		FUNCTION ID	SIZE/MOBILITY	COUNTRY CODE	DESCRIPTION ORDER OF	
2.X.4.3.3.8.1	G	*	F	*	AZ	BI	 **	**	X	TARGET BUILD-UP AREA (TBA), IRREGULAR
2.X.4.3.3.9	G	*	F	*	ΑZ	V-	 **	**	Χ	TARGET VALUE AREA (TVAR)
2.X.4.3.3.9.1	G	*	F	*	<mark>AZ</mark>	<mark>VI</mark>	 **	**	X	TARGET VALUE AREA (TVAR), IRREGULAR
2.X.4.3.4	G	*	F	*	AX		 **	**	Χ	WEAPON/RADAR RANGE FAN
2.X.4.3.4.1	G	*	F	*	AX	C-	 **	**	Χ	WEAPON/RADAR RANGE FAN, CIRCULAR
2.X.4.3.4.2	G	*	F	*	AX	S-	 **	**	Χ	WEAPON/RADAR RANGE FAN, SECTOR

<sup>3.</sup> Modify and amend Table B-IV as needed to agree with Figure B-17.1, B-17.2 and Table B-III as shown above.